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West Virginia Division of Environmental Protection

Cecil H. Underwood
Governor

Michael C. Castle
Director

PERMIT TO MODIFY COAL PREPARATION PLANT WITH THERMAL DRYER

IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL LAW (W. Va. Code §§22-5-1 et seq.), AND REGULATIONS PROMULGATED THEREUNDER, THE FOLLOWING PERMITTEE IS AUTHORIZED TO CONSTRUCT, SUBJECT TO THE TERMS AND CONDITIONS OF THIS PERMIT, THE SOURCE DESCRIBED BELOW.

This permit supersedes and replaces Permit Numbers R13-0718, and R13-0718A.

Name of Permittee: Consolidation Coal Company

Name of Facility: Blacksville No. 2

Permit No.: R13-0718B

Plant ID No.: 061 00016

Effective Date of Permit: May 23, 2000

Permit Writer: Edward Andrews

Facility Mailing Address: P.O. Box 24
Wana, WV 26590

County: Monongalia County

Nearest City or Town: Wana, WV

UTM Coordinates: Easting: 560.470 km Northing: 4395.780 km Zone: 17

Directions to
Exact Location: Approximately ½ mile NE of Wana and State Route 7 on County Road 1212.

Type of Facility
or Modification: Existing facility includes a 115mm BTU/hr Coal-Fired Thermal Dryer and Coal handling Facility consisting of a wet wash plant with associated coal handling equipment. This modification authorizes increases in throughput accomplished by changes to the existing preparation plant building including installation of an expansion module with wet wash equipment, replacement or upgrading of certain conveyor motors, and construction of a motor control center.

The source is subject to 45CSR30. The permittee has the duty to update the facility's Title V (45CSR30) permit application to reflect the changes permitted herein.

IN ACCORDANCE WITH THE PERMIT APPLICATION AND ITS AMENDMENTS, THIS PERMIT IS LIMITED AS FOLLOWS:

A. SPECIFIC REQUIREMENTS

1. The sulfur dioxide control system as described in CONSOL's September 8, 1992 submission, involving the addition of caustic to the wet coal that feeds the fluidizing bed and the operation of a continuous emission monitoring system, shall be operated continuously when the thermal dryer is in operation.
2. The emissions limit for SO₂ shall be set at (a) 120.7 lbs/hr measured on the basis of a one-hour average, (b) 20.7 tons/month measured on the basis of actual emissions as reported monthly to the Office of Air Quality, and (c) 249.4 tons/year.
3. The thermal dryer will be operated no more than 5,850 hours per year.
4. The following table sets forth the allowable hourly and annual limitations for total particulate matter, carbon monoxide, nitrogen dioxide, sulfur dioxide, and volatile organic compounds from the thermal dryer (TD-1) at emission point ST-1.

Pollutant	Emissions (lb/hr)	Emissions (ton/year)
Total Particulate Matter	24.2	70.8
Carbon Monoxide	43.2	103
Nitrogen Dioxide	46.6	136
Sulfur Dioxide	120.7	249.4
Volatile Organic Compounds	24.6	47.4

5. Throughput of coal into the preparation plant shall not exceed 1500 tons per hour or 10,000,000 tons in raw coal input. Compliance with the throughput limit shall be determined using a rolling yearly total. A rolling yearly total shall mean the sum of coal throughput at any given time for the previous twelve (12) consecutive calendar months.
6. Fugitive particulate dust control system(s) shall be properly designed, installed, operated and maintained in such a manner so as to minimize the generation and atmospheric entrainment of fugitive particulate emissions. Such system(s) at a minimum shall include, but not be limited to:
 - a. The permittee shall maintain a functional water truck on-site equipped with spray bars to apply water or a mixture of water and an environmentally

acceptable dust control additive (solution) to haulroads and work areas where mobile equipment is used, and to stockpiles. The spray bars shall be equipped with commercially available spray nozzles of sufficient size and number so as to provide adequate coverage to the area being treated. The pump delivering the water or solution shall be of sufficient size and capacity to be capable of delivering to the spray nozzles an adequate quantity of water or solution at a sufficient pressure to ensure the minimization of atmospheric entrainment of fugitive particulate emissions generated from haulroads, work areas, and stockpiles. The water truck shall be in operation at all times when fugitive particulate emissions from haulroads, work areas, and stockpiles are generated as a result of activity or wind.

- b. The permittee shall properly install, operate and maintain designed winterization systems for all water trucks and/or water sprays in a manner that all such fugitive dust control systems remain functional during winter months and cold weather.
7. In accordance with the information filed in Permit Application R13-0718B, the following affected sources throughput rates shall not be exceeded, and the following methods of controls shall be installed, maintained, and operated so as to minimize particulate matter (PM) emissions.

Name of Equipment	ID Number	Maximum Throughput TPH	Maximum Throughput TPY	Type of Controls
Belt No. 1	S003	1500	10000000	PE
Belt No. 2	S005	1500	10000000	PE
Belt No. 3	S008	1500	10000000	PE
Belt No. 4	S010	1500	3420000	PE
Belt No. 5	S012A	3000	3420000	PE
Belt No. 6	S013	1500	4,180,000	PE
Belt No. 8	S018	3000	4,180,000	PE
Belt No. 9	S046	3000	7,600,000	PE
Belt No. 22	S022	400	1,920,000	PE
Belt No. 15	S047	1500	1,240,000	PE
Belt No. 16	S055	1000	1,300,000	PE
Crusher	S001A	1500	10,000,000	FE
Screen	S001B	1500	10,000,000	FE

PE Partial Enclosure, FE Full Enclosure

8. Fugitive dust control measures as described in Permit Application R13-0718B shall be installed and maintained in a manner to minimize dust emissions pursuant to Section 6 of 45CSR5. These measures will include applying a calcium chloride solution on the haulroads at least once a year.

B. OTHER REQUIREMENTS

1. The applicant shall maintain on-site records of hourly operation of the thermal dryer, and within fifteen (15) days after the end of each calendar month shall submit certified Monthly Reports, utilizing the form identified as Attachment B, to the Chief showing (a) cumulative yearly hours of operation of the dryer, (b) cumulative monthly emission rates for SO₂, and (c) identifying all hours in which an allowable SO₂ emission rate was exceeded.
2. The permitted facility shall comply with all applicable provisions of 45CSR5, 45CSR16, 45CSR30 and 40 CFR 60, Subpart Y, provided that the facility shall comply with any more stringent requirements as may be set forth under Specific Requirements, Section (A) of this permit.
3. The operation of this facility is subject to the requirements of 45CSR5. Pertinent sections applying to this operation include, but are not limited to:

§45-5-3.4

No person shall cause, suffer, allow or permit emission of particulate matter into the open air from any fugitive dust control system which is as dark or darker in shade or appearance as that designated as No. 1 Ringelmann or twenty percent (20%) opacity.

§45-5-6.1.

No person shall cause, suffer, allow or permit a plant or handling operation to operate that is not equipped with a fugitive dust control system. This system shall be operated and maintained in such a manner as to minimize the emission of particulate matter into the open air.

§45-5-6.2.

The owner or operator of the plant or handling operation shall maintain dust control of the premises and owned, leased, or controlled access roads by paving, or other suitable measures. Good operating practices shall be observed in relation to stockpiling, car loading, breaking, screening, and general maintenance to minimize dust generation and atmospheric entrainment.

§45-5-8.1

No person shall construct, modify, or relocate any coal preparation plant or coal handling operation without first obtaining a permit in accordance with the provisions of W. Va. Code §22-5-1 et seq.

4. As adopted within 45CSR16, the permitted facility shall comply with all applicable provisions of 40 CFR 60, Subpart Y - "Standards of Performance for Coal Preparation Plants"(See Attachment A). The pertinent sections which apply to this facility include, but are not limited to the following:

§40 CFR 60.7(a)

Any owner or operator subject to the provisions of this part shall furnish written notification as follows:

§40 CFR 60.7(1)

A notification of the date construction is commenced postmarked no later than 30 days after such date.

§40 CFR 60.7(2)

A notification of the anticipated date of initial startup of an affected facility postmarked not more than 60 days nor less than 30 days prior to such date.

§40 CFR 60.7(3)

A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

§40 CFR 60.8(a)

Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, the owner or operator of such facility shall conduct performance test(s) to determine compliance with emission limitations set forth in §60.252(c) and furnish a written report of the results of such performance test(s).

§40 CFR 60.11(b)

Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Reference Method 9 in appendix A of 40 CFR 60. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (thirty 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).

§40 CFR 60.11(d)

At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

§40 CFR 60.252(c)

On and after the date on which the performance test required to be conducted by §60.8 is completed, an owner or operator subject to the provisions of this subpart shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.

§40 CFR 60.254(b)

The owner or operator shall determine compliance with the particulate matter standards in §60.252 as follows:

(2) Method 9 and the procedures in §60.11 shall be used to determine opacity.

5. All notifications and reports required pursuant to 40 CFR 60 under §60.7 shall be forwarded to:

Chief
WVDEP
Office of Air Quality
7012 MacCorkle Avenue
Charleston, WV 25304

and

Director, Air, Toxics and Radiation
US Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

6. For the purpose of determining compliance with the maximum throughput limits set forth under section A. SPECIFIC REQUIREMENTS, the permittee shall maintain certified monthly and annual records of the amount of raw coal transferred from the skip cars to the raw coal screens and the hours of operated, utilizing the form identified as Attachment C. In addition, for the purposes of demonstrating compliance with Specific Requirements A.6.a and b. the permittee shall maintain daily records indicating the use of any dust suppressants or other suitable dust control measures applied at the facility, utilizing the form identified as attachment D. Such records shall be certified by a "responsible official" and maintained on site for a period of not less than five (5) years and shall be made available to the Chief or his or her duly authorized representative upon request.
7. The pertinent sections of 45CSR13 applicable to this facility include, but are not limited to, the following:

§45-13-5.1

At the time a stationary source is alleged to be in compliance with an applicable emission standard and at reasonable times to be determined by the Chief thereafter, appropriate tests consisting of visual determinations or conventional in-stack measurements or such other tests as the Chief may specify shall be conducted to determine such compliance.

§45-13-8.2

The Chief may suspend or revoke a permit if, after six (6) months from the date of issuance, the holder of the permit cannot provide the Chief, at the Chief's request, with written proof of a good faith effort that construction, modification, or relocation, if applicable, has commenced. Such proof shall be provided not later than thirty (30) days after the Chief's request. If construction or modification of a stationary source is discontinued for a period of eighteen (18) months or longer, the Chief may suspend or revoke the permit.

§45-13-8.3

The Chief may suspend or revoke a permit if the plans and specifications upon which the approval was based or the conditions established in the permit are not adhered to.

C. GENERAL REQUIREMENTS

1. In accordance with 45CSR30 - "Operating Permit Program", the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first filing a Certified Emissions Statement (CES) and paying the appropriate fee. Such Certified Emissions Statement (CES) shall be filed and the appropriate fee paid annually. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Chief or his/her duly authorized representative.
2. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.
3. The permitted facility shall be constructed and operated in accordance with information filed in Permit Application R13-0718, R13-0718A, R13-0718B and any amendments thereto. The Chief may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.
4. At such reasonable time(s) as the Chief may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations established in the permit application and/or applicable regulations. Test(s) shall be conducted in such a manner as the Chief may specify or approve and shall be filed in a manner acceptable to the Chief. The Chief, or his/her duly authorized representative, may at his option witness or conduct such test. Should the Chief exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Chief may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to

comply with generally accepted good safety practices. For any tests to be conducted by the permittee, a test protocol shall be submitted to the OAQ by the permittee at least thirty (30) days prior to the test and shall be approved by the Chief. The Chief shall be notified at least fifteen (15) days in advance of the actual dates and times during which the test will be conducted.

5. In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations, either in whole or in part, authorized by this permit, the permittee shall notify the Chief, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.
6. The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.
7. The permittee shall notify the Chief, in writing, within fifteen (15) calendar days of the commencement of the construction, modification, or relocation activities authorized under this permit.
8. The permittee shall notify the Chief, in writing, at least fifteen (15) calendar days prior to actual startup of the operations authorized under this permit.
9. This permit is transferable in accordance with the requirements outlined in Section 8.1 of 45CSR13.
10. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7.
11. On or before July 1st of each calendar year, the permittee herein shall prepare and submit an emission inventory for the previous calendar year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Office of Air Quality. After the initial submittal, the Chief may, based upon the type and quantity of the pollutants emitted, establish a submittal frequency other than on an annual basis.

ISSUED BY:

EDWARD L. KROPP

R13-0718B
Consolidation Coal Company
Blacksville No. 2

WV DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF AIR QUALITY

DATE SIGNED: _____